

Appln. Serial No. 09/557,530  
Amendment Dated February 7, 2005  
Reply to Office Action Mailed November 30, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Previously Presented) A method of communications between a first device and a peripheral device over a network, comprising:

receiving, by a system, a message from the first device to establish a communications session with the peripheral device, the message being according to a first protocol defining real-time interactive sessions;

establishing a communications session between the first device and the system over the network; and

converting, in the system, between data according to the first protocol and data according to a second protocol that defines a peripheral link from the system to the peripheral device,

wherein receiving the message includes receiving a Session Initiation Protocol message, and

wherein the peripheral link is selected from the group consisting of a Universal Serial Bus port, a parallel port, a serial port, a Small Computer Systems Interface port, and a Personal Computer Memory Card International Association port.

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1           3.       (Currently Amended) ~~The method of claim 1,~~ A method of communications  
2       between a first device and a Universal Serial Bus (USB) peripheral device over a network,  
3       comprising:  
4               receiving, by a system, a message from the first device to establish a  
5       communications session with the USB peripheral device, the message being according to a first  
6       telephony protocol defining real-time interactive sessions;  
7               establishing a communications session between the first device and the system  
8       over the network; and  
9               converting, in the system, between data according to the first telephony protocol  
10       and data according to a second protocol that defines a USB peripheral link from the system to the  
11       USB peripheral device,  
12               wherein establishing the communications session includes establishing one of a  
13       Session Initiation Protocol session and an H.323 session.

1           4.       (Original) The method of claim 2, wherein converting the data includes  
2       converting between a Session Initiation Protocol format and a Universal Serial Bus format.

1           5.       (Cancelled)

1           6.       (Currently Amended) The method of claim ~~[[1]]~~ 3, wherein establishing the  
2       communications session includes establishing a streaming call session.

1           7.       (Cancelled)

1           8.       (Currently Amended) The method of claim ~~[[1]]~~ 3, further comprising sending  
2       one or more commands to the USB peripheral device to control operation of the USB peripheral  
3       device.

1           9.       (Currently Amended) The method of claim ~~[[1]]~~ 3, further comprising sending  
2       status information of the USB peripheral device to the first device.

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1           10.     (Currently Amended) The method of claim [[1]] 3, further comprising  
2     establishing a real-time call session between the first device and the USB peripheral device.

1           11.     (Currently Amended) The method of claim [[1]] 3, wherein establishing the  
2     communications session includes establishing a conferencing session among the first device, the  
3     USB peripheral device, and another device.

1           12.     (Original) The method of claim 11, wherein establishing a conferencing session  
2     includes establishing a multicast session.

1           13.     (Previously Presented) A method of communications between a first device and a  
2     peripheral device over a network, comprising:

3                     receiving, by a system, a message from the first device to establish a  
4     communications session with the peripheral device, the message being according to a first  
5     protocol defining real-time interactive sessions;

6                     establishing a communications session between the first device and the system  
7     over the network;

8                     converting, in the system, between data according to the first protocol and data  
9     according to a second protocol that defines a peripheral link from the system to the peripheral  
10    device;

11                    receiving another message to establish a second communications session while  
12    the first communication session is active; and

13                    performing one of sending a busy indication and over-riding the first  
14    communications session.

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1           14.   (Currently Amended) The method of claim ~~[[1]]~~ 3, further comprising:  
2                   establishing a communications session between the first device and a second  
3   system; and  
4                   converting, in the second system, between data according to the first protocol and  
5   data according to the second protocol.

1           15. – 16. (Cancelled)

1           17.   (Currently Amended) ~~The system of claim 16;~~ A system comprising:  
2                   a first interface capable of communicating with a packet-based network according  
3   to a first protocol that defines real-time interactive communications sessions received over the  
4   packet-based network;  
5                   a second interface capable of communicating with a peripheral device according  
6   to a second protocol; and  
7                   a controller to convert a message according to the first protocol to data according  
8   to the second protocol for communicating to the peripheral device,  
9                   wherein the peripheral device includes a Universal Serial Bus device,  
10                  wherein the first protocol includes one of a Session Initiation Protocol and an  
11   H.323 Recommendation.

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1           18.     (Previously Presented) A system comprising:  
2                     a first interface capable of communicating with a packet-based network according  
3     to a first protocol that defines real-time interactive communications sessions received over the  
4     packet-based network;  
5                     a second interface capable of communicating with a peripheral device according  
6     to a second protocol;  
7                     a controller to convert a message according to the first protocol to data according  
8     to the second protocol for communicating to the peripheral device; and  
9                     a Session Initiation Protocol stack to process Session Initiation Protocol  
10    messages,  
11                     wherein the second interface is selected from the group consisting of a Universal  
12    Serial Bus port, a parallel port, a serial port, a Small Computer Systems Interface port, and a  
13    Personal Computer Memory Card International Association port.

1           19.     (Currently Amended) The system of claim [[16]] 17, wherein the second  
2     interface includes a Universal Serial Bus interface.

1           20.     (Original) The system of claim 19, further comprising a Universal Serial Bus  
2     client to manage communications with the peripheral device.

1           21.     (Original) The system of claim 20, further comprising an interface between the  
2     controller and the Universal Serial Bus client, the interface including one or more application  
3     programming interfaces.

1           22.     (Original) The system of claim 21, wherein plural application programming  
2     interfaces are assigned different uniform resource locators.

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23. (Previously Presented) The system of claim 18, wherein the second interface is adapted to receive an indication of a status change of the peripheral device, the controller adapted to send one or more messages to a remote device over the packet-based network concerning the status change.

24. (Previously Presented) The system of claim 18, wherein the data communicated to the peripheral device includes a command to control operation of the peripheral device.

25. (Previously Presented) The system of claim 18, wherein the controller is adapted to establish a real-time interactive call session with a remote device coupled to the packet-based network and the peripheral device.

26. – 29. (Cancelled)

30. (Currently Amended) ~~The method of claim 29, A method of accessing a non-telephony device coupled to a system over a link defined according to a first protocol, comprising:~~  
receiving, by the system, a message from a telephony device, the message defined according to a telephony protocol; and  
converting the telephony protocol message into data according to the first protocol for communication over the link to the non-telephony device,  
wherein the first protocol includes a Universal Serial Bus protocol,  
wherein receiving the message includes receiving a Session Initiation Protocol Invite request.

31. (Currently Amended) The method of claim [[27]] 30, further comprising sending, in response to the received message, one or more commands to the non-telephony device to perform one or more predetermined actions by the non-telephony device.

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1           32.   (Previously Presented) An article including one or more machine-readable  
2 storage media containing instructions for controlling a system coupled to a packet-based network  
3 and a peripheral link, the instructions when executed causing the system to:

4                   communicate a message over the packet-based network, the message defined  
5 according to a Session Initiation Protocol;

6                   convert between the message and data according to a second protocol defining  
7 communications over the peripheral link; and

8                   communicate the data over the peripheral link, the peripheral link selected from  
9 the group consisting of a Universal Serial Bus port, a parallel port, a serial port, a Small  
10 Computer Systems Interface port, and a Personal Computer Memory Card International  
11 Association port.

1           33.   (Original) The article of claim 32, wherein the one or more storage media contain  
2 instructions that when executed cause the system to communicate a command to control  
3 operation of a peripheral device coupled to the peripheral link.

1           34.   (Previously Presented) The article of claim 32, wherein the messages according  
2 to the Session Initiation Protocol and the data according to the second protocol are part of a  
3 voice-based call session.

1           35.   (Original) The article of claim 32, wherein the one or more storage media contain  
2 instructions that when executed cause the system to receive data from the peripheral link  
3 indicative of a status change of a peripheral device coupled to the peripheral link.

1           36.   (Previously Presented) The article of claim 32, wherein the second protocol  
2 includes a Universal Serial Bus protocol.

1           37. – 40. (Cancelled)

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1           41.    (Currently Amended) ~~The data signal of claim 37, A data signal embodied in a~~  
2    ~~carrier wave comprising one or more code segments containing instructions for controlling a~~  
3    ~~system coupled to a packet-based network and a peripheral link, the instructions when executed~~  
4    ~~causing the system to:~~  
5                ~~receive a message from a first device to establish a communications session with~~  
6    ~~a Universal Serial Bus (USB) peripheral device, the message being defined by a first telephony~~  
7    ~~protocol defining real-time interactive sessions;~~  
8                ~~establish a communications session between the first device and the system over~~  
9    ~~the network; and~~  
10              ~~convert between data according to the first telephony protocol and data according~~  
11    ~~to a USB protocol defining a peripheral link from the system to the USB peripheral device,~~  
12              wherein receiving the message comprises receiving a Session Initiation Protocol  
13    message.